

WHAT IS CLAIMED IS:

1. In a continuous flow centrifuge apparatus, the improvement comprising the addition of a filtration column of particulate material.

5 2. The apparatus of claim 1 wherein said particulate material is selected from the group consisting of graded glass beads of 120-50  $\mu\text{m}$  and fine sand of 200-50  $\mu\text{m}$  and the column is at least about 7  $\text{cm}$  in height.

10 3. A continuous flow centrifuge apparatus which is adapted to include a filtration column of particulate material.

4. The apparatus of claim 3 in which said particulate material is graded glass beads or sand.

5. The apparatus of claim 3 in which the particulate material has an size range of 120-50  $\mu\text{m}$ .

15 6. A method for concentrating or isolating a microorganism from an aqueous suspension, said method comprising centrifuging said solution using the apparatus of claim 1.

7. In a method for concentrating, isolating or detecting a microorganism using a continuous flow centrifuge, the  
20 improvement comprising using a filtration column of particulate material in the fluid stream of the centrifuge.

8. The method of claim 7 in which the microorganism is a cyst of cryptosporidium or giardia.

9. The method of claim 8 in which the particulate material comprises graded glass beads or sand.

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